

ABSTRACT

A double-coated optical fiber and method includes providing a core that serves as a light transmission medium. A cladding surrounds the core and has a smaller reflective index than the core. A primary coating layer is formed of a UV-cured polymer around the clad, and a secondary coating layer is formed of a UV-cured polymer around the primary coating layer, to a thickness ranging from about 22 to 37.5 μ m in order to obtain a coating strip force ranging from about 1.0 to 1.63N and a dynamic stress corrosion parameter ranging from 20 to 29. The primary and secondary coating layers can be formed by a wet on wet or wet on dry process.

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